



Independent Pricing and Regulatory Tribunal

Essential Energy's water and sewerage services in Broken Hill

Review of prices from 1 July 2014 to 30 June 2018

Water — Determination
June 2014



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Determination No. 1, 2014

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Preliminary

1 Background

- (a) Section 11 of the *Independent Pricing and Regulatory Tribunal Act 1992* (NSW) (**IPART Act**) gives the Independent Pricing and Regulatory Tribunal (**IPART**) a standing reference to conduct investigations and make reports to the Minister on the determination of the pricing for a government monopoly service supplied by a government agency specified in Schedule 1 of the IPART Act.
- (b) Essential Energy is listed as a government agency in Schedule 1 of the IPART Act. The services which, if supplied by Essential Energy, are declared as monopoly services under the *Independent Pricing and Regulatory Tribunal (Country Energy) Order 2008 (Order)* are:
 - (1) water supply services;
 - (2) sewerage services;
 - (3) trade waste services; and
 - (4) ancillary and miscellaneous customer services for which no alternative supply exists and which relate to the provision of services of a kind referred to in paragraphs (1) to (3),(together, the **Monopoly Services**).

Accordingly, IPART may determine the maximum prices for the Monopoly Services.

[Note: The Order applies to Essential Energy by operation of section 53(1)(b) of the *Interpretation Act 1987* (NSW). In March 2011, Country Energy changed its name to Essential Energy under the *Energy Services Corporations Amendment (Change of Name) Regulation 2011*.]

- (c) In investigating and reporting on the pricing of the Monopoly Services, IPART has had regard to a broad range of matters, including the matters set out in section 15(1) of the IPART Act.
- (d) In accordance with section 13A of the IPART Act, IPART has fixed the maximum prices for the Monopoly Services.

2 Application of this determination

- (a) Under section 11 of the IPART Act, this determination fixes the maximum prices that Essential Energy may charge for the Monopoly Services.
- (b) This determination commences on the later of:
 - (1) 1 July 2014; and
 - (2) the date that it is published in the NSW Government Gazette, (**Commencement Date**).

- (c) The maximum prices set out in, or calculated in accordance with, this determination apply from the Commencement Date to 30 June 2018. The maximum prices prevailing at 30 June 2018, as set out in this determination, continue to apply beyond 30 June 2018 until this determination is replaced.
- (d) Under section 18(2) of the IPART Act, Essential Energy may not fix a price below that set out in, or calculated in accordance with, this determination without the approval of the Treasurer.

3 Replacement of Determination No. 1 of 2010

Subject to clause 2.4 of Schedule 5, this determination replaces Determination No. 1 of 2010 from the Commencement Date. The replacement does not affect anything done or omitted to be done, or rights and obligations accrued, under Determination No. 1 of 2010 prior to its replacement.

4 Monitoring

IPART may monitor the performance of Essential Energy for the purposes of:

- (a) establishing and reporting on the level of compliance by Essential Energy with this determination; and
- (b) preparing a periodic review of pricing policies in respect of the Monopoly Services supplied by Essential Energy.

5 Pricing Schedules

- (a) Schedule 1 and the tables in that Schedule set out the maximum prices that Essential Energy may charge for water supply services.
- (b) Schedule 2 and the tables in that Schedule set out the maximum prices that Essential Energy may charge for sewerage services.
- (c) Schedule 3 and the tables in that Schedule set out the maximum prices that Essential Energy may charge for trade waste services.
- (d) Schedule 4 and the table in that Schedule set out the maximum prices that Essential Energy may charge for ancillary and miscellaneous customer services.

6 Definitions and Interpretation

Schedule 5 sets out the definitions and interpretation provisions used in this determination.

7 Simplified outline

- (a) The following is a simplified outline of the maximum prices for:
- (1) water supply services; and
 - (2) sewerage services,
- set out in this determination.
- (b) The simplified outline has been included for guidance purposes only and does not form part of this determination.

Water charges (Schedule 1):

Property type	Water service charge	Water usage charge (Treated Water/ Untreated Water/ Chlorinated Water)
Residential Properties (Individual Meter or Common Meter)		
All Metered Residential Properties (eg, house, terrace, townhouse, flats, apartments and units)	Table 1	Table 4
Residential Properties in Residential Multi Premises or Residential Properties within Mixed Multi Premises with one or more Common Meters	Table 1	Table 4#
Metered Non Residential Properties (including in a Multi Premises or Mixed Multi Premises)		
20mm Meter (single Individual Meter)	Table 1	Table 4
With a single Individual Meter of 25mm Meter or greater, or multiple Individual Meters of any size	Table 2	Table 4
Non Residential Multi Premises with one or more Common Meters/ Non Residential Properties in Mixed Multi Premises with one or more Common Meters		
Non Residential Multi Premises with one or more Common Meters	Table 2#	Table 4#
Non Residential Properties in Mixed Multi Premises with one or more Common Meters	Table 1	Table 4#
Mining Customer Properties		
Mining Customer Properties owned by Perilya Broken Hill Ltd and CBH Resources Ltd	Table 3	Table 4
Mining Customer Properties owned by New Mining Customers	Table 2	Table 4
Other		
Unmetered Properties (Residential or Non Residential)	Table 1	Table 4 (based on a deemed consumption of 300kL of Treated Water, Chlorinated Water and Untreated Water available to the Property per year)
Vacant Land	Table 1	N/A

Property type	Water service charge	Water usage charge (Treated Water/ Untreated Water/ Chlorinated Water)
Exempt Land	N/A	Table 4
Pipeline Properties with a single Individual Meter of 20mm	Table 1	Table 4
Pipeline Properties with a single Individual Meter of 25mm or above, or multiple Individual Meters of any size	Table 2	Table 4

For Multi Premises that are served by one or more Common Meters, Essential Energy may choose to divide the water service charge (for Non Residential Multi Premises) and water usage charge (for all Multi Premises) among the Properties within the Multi Premises (for example, based on unit entitlement, or the number of properties within the Multi Premises), or it may send the bill to the body corporate.

Sewerage charges (Schedule 2):

Property type	Sewerage service charge	Sewerage usage charge
Residential Properties (Individual Meter or Common Meter)		
All Metered Residential Properties	Table 5	N/A
Non Residential Properties		
Non Residential Properties (other than Mining Customer Properties) with a single Individual Meter of 20mm or greater, or multiple Individual Meters of any size	Higher of <ul style="list-style-type: none"> ▼ Table 5 ▼ Table 6 x DF[^] 	Table 7
Mining Customer Properties with a single Individual Meter, or multiple Individual Meters of any size	Higher of <ul style="list-style-type: none"> ▼ Table 5 ▼ Table 6, assuming that each meter is a 100mm meter 	Table 7
Non Residential Multi Premises with one or more Common Meters / Non Residential Properties in Mixed Multi Premises with one or more Common Meters		
Non Residential Multi Premises with one or more Common Meters*	Higher of <ul style="list-style-type: none"> ▼ Table 6 x DF[#] ▼ Table 5 	Table 7#
Non Residential Properties in Mixed Multi Premises with one or more Common Meters*	Table 5	N/A
Other		
Unmetered Properties (Residential or Non Residential)	Table 5	N/A
Vacant Land	Table 5	N/A
Exempt Land	N/A	Table 7

* This does not apply where each Property within the Non Residential Multi Premises has an Individual Meter. In such case, each Property would be considered a Metered Non Residential Property for charging purposes.

For a Non-Residential Multi Premises that is served by one or more Common Meters, Essential Energy may choose to divide the sewerage service charge and the sewerage usage charge among the Properties within the Multi Premises (for example, based on unit entitlement, or the number of properties within the Multi Premises) or it may send the bill to the body corporate.

[^] DF refers to Discharge Factor.

Schedule 1 Water supply services

1 Application

This Schedule sets out the maximum prices that Essential Energy may charge for the Monopoly Services under paragraph 2(a) of the Order (water supply services).

2 Maximum price for water supply services to Metered Residential Properties (other than Pipeline Properties)

2.1 Application of this clause

- (a) This clause 2 applies to Metered Residential Properties (other than Pipeline Properties) that:
 - (1) are connected to the Water Supply System; and
 - (2) have a single Individual Meter or multiple Individual Meters.
- (b) For the avoidance of doubt, where a Residential Property (other than a Pipeline Property) does not have an Individual Meter but that Residential Property is within a Residential Multi Premises or a Mixed Multi Premises with one or more Common Meters, clause 3 of this Schedule 1 (and not this clause 2) is to apply to that Residential Property.

2.2 Maximum price water supply services to Metered Residential Properties with a single Individual Meter, or multiple Individual Meters

The maximum price that Essential Energy may levy for supplying water supply services to a Metered Residential Property to which this clause 2 applies is the sum of the following:

- (a) the **water service charge** in Table 1, corresponding to the applicable period in that table; and
- (b) the following **water usage charge**, as applicable:
 - (1) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;

- (2) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and
- (3) the Untreated Water for Residential Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

3 Maximum price for water supply services to a Residential Property in a Residential Multi Premises or Residential Property within a Mixed Multi Premises with one or more Common Meters

3.1 Application of this clause

- (a) This clause 3 applies to Residential Properties which:
 - (1) do not have an Individual Meter, or multiple Individual Meters;
 - (2) are not Pipeline Properties; and
 - (3) are in a Residential Multi Premises or within a Mixed Multi Premises, where that Residential Multi Premises or Mixed Multi Premises:
 - (A) has one or more Common Meters; and
 - (B) is connected to the Water Supply System.
- (b) For the avoidance of doubt, where a Residential Property (other than a Pipeline Property) has an Individual Meter, clause 2 of this Schedule 1 (and not this clause 3) is to apply to that Residential Property.

3.2 Maximum price for water supply services to a Residential Property in a Residential Multi Premises or Residential Property within a Mixed Multi Premises with one or more Common Meters

- (a) The maximum price that Essential Energy may levy for supplying water supply services to a Residential Property to which this clause 3 applies is the sum of the following:
 - (1) the **water service charge** in Table 1, corresponding to the applicable period in that table; and
 - (2) subject to clause 3.3 below, the following **water usage charge**, as applicable:
 - (A) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;

- (B) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and
 - (C) the Untreated Water for Residential Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.
- (b) Essential Energy may choose to divide the maximum water usage charge, levied under clause 3.2(a)(2) in this Schedule 1, among the Residential Properties in the Residential Multi Premises or within the Mixed Multi Premises (for example, based on unit entitlement or the number of Properties in the Multi Premises), or alternatively, Essential Energy may choose to provide the bill for the water usage charge to the body corporate (if applicable) of that Residential Multi Premises or Mixed Multi Premises.

3.3 Maximum water usage charge for each Residential Property

For the purposes of clause 3.2 above, the total usage charge for each Residential Property that is in a Residential Multi Premises or within a Mixed Multi Premises cannot exceed the sum of:

- (a) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period;
 - (b) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period; and
 - (c) the Untreated Water for Residential Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period,
- as measured by all Common Meters for that Residential Multi Premises or Mixed Multi Premises.

4 Maximum price for water supply services to Metered Non Residential Properties (other than Pipeline Properties and Mining Customer Properties)

4.1 Application of this clause

- (a) This clause 4 applies to Metered Non Residential Properties which:
- (1) are connected to the Water Supply System;
 - (2) have a single Individual Meter or multiple Individual Meters; and
 - (3) are not Pipeline Properties or Mining Customer Properties.
- (b) For the avoidance of doubt, where a Non Residential Property (other than a Pipeline Property or a Mining Customer Property) does not have an Individual Meter but that Property is within a Multi Premises with one or more Common Meters, clause 5 of this Schedule 1 (and not this clause 4) is to apply to that Non Residential Property.

4.2 Maximum price for water supply services to Metered Non Residential Properties with a single Individual Meter of 20mm

The maximum price that Essential Energy may levy for supplying water supply services to a Metered Non Residential Property (other than a Pipeline Property or a Mining Customer Property) where that Property:

- (a) is connected to the Water Supply System; and
 - (b) has a single Individual Meter of 20mm,
- is the sum of the following:
- (c) the **water service charge** in Table 1, corresponding to the applicable period in that table; and
 - (d) the following **water usage charge**, as applicable:
 - (1) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter;
 - (2) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter; and
 - (3) the Untreated Water for Non Residential Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter.

4.3 Maximum price for water supply services to Metered Non Residential Properties with a single Individual Meter of 25mm or greater, or multiple Individual Meters

The maximum price that Essential Energy may levy for supplying water supply services to a Metered Non Residential Property (other than a Pipeline Property or a Mining Customer Property) where that Property:

- (a) is connected to the Water Supply System; and
- (b) has a single Individual Meter of 25mm or greater, or multiple Individual Meters (of any size),

is the sum of the following:

- (c) the **water service charge** in Table 2 for each Meter, corresponding to the applicable Meter size and period in that table; and
- (d) the following **water usage charge**, as applicable:
 - (1) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;
 - (2) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and
 - (3) the Untreated Water for Non Residential Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

5 Maximum price for water supply services to Non Residential Properties in a Multi Premises with one or more Common Meters (other than Pipeline Properties or Mining Customer Properties)

5.1 Application of this clause

- (a) This clause 5 applies to Non Residential Properties which:
 - (1) do not have an Individual Meter, or multiple Individual Meters;
 - (2) are not Pipeline Properties or Mining Customer Properties; and
 - (3) are in a Multi Premises, where that Multi Premises:
 - (A) has one or more Common Meters; and
 - (B) is connected to the Water Supply System.

- (b) For the avoidance of doubt, where a Non Residential Property (other than a Pipeline Property or a Mining Customer Property) has an Individual Meter, clause 4 of this Schedule 1 (and not this clause 5) is to apply to that Non Residential Property.

5.2 Maximum price for water supply services to a Non Residential Multi Premises with one or more Common Meters

- (a) The maximum price that Essential Energy may levy for supplying water supply services to a Non Residential Multi Premises where that Multi Premises:

- (1) has one or more Common Meters; and
- (2) is connected to the Water Supply System,

is the sum of the following:

- (3) the **water service charge** calculated as follows:

$$SC - IM$$

Where:

SC = the water service charge in Table 2 corresponding to the applicable Meter size and period in that table for each Common Meter; and

IM = the sum of any water service charges levied under clauses 4.2 and 4.3 of this Schedule in respect of each Property within that Multi Premises with an Individual Meter which is downstream of a Common Meter that services the Multi Premises; and

- (4) subject to clause 5.4 below, the following **water usage charge**, as applicable:
 - (A) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;
 - (B) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and
 - (C) the Untreated Water for Non Residential Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

- (b) Essential Energy may choose to divide:
 - (1) the maximum water service charge, levied under clause 5.2 (a)(3) in this Schedule 1; and

- (2) the maximum total water usage charge, levied under clause 5.2 (a)(4) in this Schedule 1,

among the Non Residential Properties within the Non Residential Multi Premises (for example, based on unit entitlement or the number of Properties in the Multi Premises), or alternatively, Essential Energy may choose to provide the bill for each charge to the body corporate (if applicable) of that Non Residential Multi Premises.

5.3 Maximum price for water supply services to a Non Residential Property within a Mixed Multi Premises with one or more Common Meters

- (a) The maximum price that Essential Energy may levy for supplying water supply services to a Non Residential Property that is within a Mixed Multi Premises, where that Mixed Multi Premises:
- (1) has one or more Common Meters; and
 - (2) is connected to the Water Supply System,

is the sum of the following:

- (3) the **water service charge** in Table 1, corresponding to the applicable period in that table, multiplied by the number of Multi Premises Properties in the Mixed Multi Premises (with each Multi Premises Property taken to have a Meter size of 20mm); and
 - (4) subject to clause 5.3(c) and clause 5.4 below, the following **water usage charges**, as applicable:
 - (A) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;
 - (B) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and
 - (C) the Untreated Water for Non Residential Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.
- (b) Essential Energy may choose to divide the maximum water usage charge, levied under clause 5.3(a)(4) in this Schedule 1, among the Properties within the Mixed Multi Premises (for example, based on unit entitlement or the number of Properties in the Multi Premises), or alternatively, Essential Energy may choose to provide the bill for

the water usage charge to the body corporate (if applicable) of that Mixed Multi Premises.

- (c) The total water usage charge for the Mixed Multi Premises must not exceed the water usage charge for water supplied to that Mixed Multi Premises as measured by all Meters.

5.4 Maximum water usage charge measured by a Common Meter

- (a) For the purposes of clauses 5.2 and 5.3 above, the total volume of Treated Water, Chlorinated Water and Untreated Water for Non Residential Properties (as the case may be) is calculated as follows for the relevant Meter Reading Period:

- (1) the total volume of Treated Water, Chlorinated Water and Untreated Water for Non Residential Properties (as the case may be) measured by all Common Meters for that Multi Premises, less
- (2) the total volume of Treated Water, Chlorinated Water and Untreated Water for Non Residential Properties (as the case may be) measured by any Individual Meters which are downstream of a Common Meter that services that Multi Premises.

- (b) For the purposes of clauses 5.2 and 5.3 above, the total usage charge for each Non Residential Property that is within a Non Residential Multi Premises or Mixed Multi Premises cannot exceed the sum of:

- (1) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period;
- (2) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period; and
- (3) the Untreated Water for Non Residential Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period,

as measured by all Common Meters for that Multi Premises or Mixed Multi Premises.

6 Maximum price for water supply services to Mining Customer Properties

6.1 Application of this clause

This clause 6 applies to Mining Customer Properties which:

- (a) are connected to the Water Supply System; and
- (b) have a single Individual Meter or multiple Individual Meters.

6.2 Maximum price for water supply services to all Mining Customer Properties owned by Perilya Broken Hill Ltd

The maximum price that Essential Energy may levy for supplying water supply services to all Mining Customer Properties owned by Perilya Broken Hill Ltd, or on which Perilya Broken Hill Ltd carries out the mining and exploration activities, is the sum of the following:

- (a) the **water service charge** in Table 3 for Perilya Broken Hill Ltd, corresponding to the applicable period in that table; and
- (b) the following **water usage charge**, as applicable:
 - (1) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;
 - (2) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and
 - (3) the Untreated Water for Non Residential Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

6.3 Maximum price for water supply services to all Mining Customer Properties owned by CBH Resources Ltd

The maximum price that Essential Energy may levy for supplying water supply services to all Mining Customer Properties owned by CBH Resources Ltd, or on which CBH Resources Ltd carries out the mining and exploration activities, is the sum of the following:

- (a) the **water service charge** in Table 3 for CBH Resources Ltd, corresponding to the applicable period in that table; and
- (b) the following **water usage charge**, as applicable:
 - (1) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;
 - (2) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and

- (3) the Untreated Water for Non Residential Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

6.4 Maximum price for water supply services to a Mining Customer Property owned by a New Mining Customer

The maximum price that Essential Energy may levy for supplying water supply services to a Mining Customer Property owned by a New Mining Customer, or on which a New Mining Customer carries out the mining and exploration activities, where that Property:

- (a) is connected to the Water Supply System; and
- (b) has a single Individual Meter of 20mm or greater, or multiple Individual Meters (of any size),

is the sum of the following:

- (c) the **water service charge** in Table 2 for each Meter, corresponding to the applicable Meter size and period in that table; and
- (d) the following **water usage charge**, as applicable:
 - (1) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;
 - (2) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and
 - (3) the Untreated Water for Non Residential Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

7 Maximum price for water supply services to Pipeline Properties

7.1 Application of this clause

This clause 7 applies to Pipeline Properties that:

- (a) are connected to the Water Supply System; and
- (b) have a single Individual Meter or multiple Individual Meters.

7.2 Maximum price for water supply services to Pipeline Properties with a single Individual Meter of 20mm

The maximum price that Essential Energy may levy for supplying water supply services to a Pipeline Property where that Property:

- (a) is connected to the Water Supply System; and
- (b) has a single Individual Meter of 20mm,

is the sum of the following:

- (c) the **water service charge** in Table 1, corresponding to the applicable period in that table; and
- (d) the Untreated Water for Pipeline Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter.

7.3 Maximum price for water supply services to Pipeline Properties with a single Individual Meter of 25mm or greater, or multiple Individual Meters

The maximum price that Essential Energy may levy for supplying water supply services to a Pipeline Property where that Property:

- (a) is connected to the Water Supply System; and
- (b) has an Individual Meter of 25mm or greater, or multiple Individual Meters (of any size),

is the sum of the following:

- (c) the **water service charge** in Table 2 for each Meter, corresponding to the applicable Meter size and period in that table; and
- (d) the Untreated Water for Pipeline Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

8 Maximum price for water supply services to Unmetered Properties connected to the Water Supply System (Residential and Non Residential)

The maximum price that Essential Energy may levy for supplying water supply services to an Unmetered Property connected to the Water Supply System is the sum of the following:

- (a) the **water service charge** in Table 1, corresponding to the applicable period in that table; and
- (b) the **water usage charge** in Table 4 (for a deemed consumption of 300kL per year), as applicable according to the type of water available to each Property.

9 Maximum price for water supply services to Vacant Land

The maximum price that Essential Energy may levy for supplying water supply services to Vacant Land is the **water service charge** in Table 1, corresponding to the applicable period in that table.

10 Maximum price for water supply services to Exempt Land

The maximum price that Essential Energy may levy for supplying water supply services to Exempt Land is the sum of the following **water usage charges**, as applicable:

- (a) the Treated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Treated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters;
- (b) the Chlorinated Water usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Chlorinated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters; and
- (c) the Untreated Water for Non Residential Properties usage charge in Table 4 for the applicable period in that table, multiplied by each kL of Untreated Water supplied during the relevant Meter Reading Period as measured by the Meter or Meters.

Tables 1 to 4

Table 1 Water service charges for (i) Metered Residential Properties; (ii) Residential Properties in a Residential Multi Premises or Mixed Multi Premises with one or more Common Meters; (iii) Metered Non Residential Properties with a single Individual Meter of 20mm (other than Pipeline Property or Mining Customer Property) (iv) Non Residential Properties within Mixed Multi Premises with one or more Common Meters; (v) Unmetered Properties (Residential and Non Residential); (vi) Vacant Land; and (vii) Pipeline Properties with a single Individual Meter of 20mm

	Commencement Date to 30 June 2015	1 July 2015 to 30 June 2016	1 July 2016 to 30 June 2017	1 July 2017 to 30 June 2018
Water service charge (\$ per year)	312.67	$312.67 \times (1 + \Delta\text{CPI}_1)$	$312.67 \times (1 + \Delta\text{CPI}_2)$	$312.67 \times (1 + \Delta\text{CPI}_3)$

Table 2 Water service charges for (i) Metered Non Residential Properties with a single Individual Meter of 25mm or greater, or multiple Individual Meters of any size (other than Pipeline Property or Mining Customer Property); (ii) Non Residential Multi Premises with one or more Common Meters; (iii) New Mining Customer Properties and (iv) Pipeline Properties with an Individual Meter of 25mm or greater, or multiple Individual Meters of any size

Meter size	Commencement Date to 30 June 2015	1 July 2015 to 30 June 2016	1 July 2016 to 30 June 2017	1 July 2017 to 30 June 2018
Water service charge (\$ per year)				
20mm	312.67	312.67 x (1 + ΔCPI ₁)	312.67 x (1 + ΔCPI ₂)	312.67 x (1 + ΔCPI ₃)
25mm	488.55	488.55 x (1 + ΔCPI ₁)	488.55 x (1 + ΔCPI ₂)	488.55 x (1 + ΔCPI ₃)
40mm	1,250.69	1,250.69 x (1 + ΔCPI ₁)	1,250.69 x (1 + ΔCPI ₂)	1,250.69 x (1 + ΔCPI ₃)
50mm	1,954.20	1,954.20 x (1 + ΔCPI ₁)	1,954.20 x (1 + ΔCPI ₂)	1,954.20 x (1 + ΔCPI ₃)
80mm	5,002.75	5,002.75 x (1 + ΔCPI ₁)	5,002.75 x (1 + ΔCPI ₂)	5,002.75 x (1 + ΔCPI ₃)
100mm	7,816.80	7,816.80 x (1 + ΔCPI ₁)	7,816.80 x (1 + ΔCPI ₂)	7,816.80 x (1 + ΔCPI ₃)
150mm	17,587.80	17,587.80 x (1 + ΔCPI ₁)	17,587.80 x (1 + ΔCPI ₂)	17,587.80 x (1 + ΔCPI ₃)
For Meter sizes not specified above, the following formula applies to each Meter:		$\frac{(\text{Meter size})^2}{400} \times (\text{20mm water service charge for the applicable period})$		

Table 3 Water service charges for Mining Customer Properties of Perilya Broken Hill Ltd and CBH Resources Ltd

	Commencement Date to 30 June 2015	1 July 2015 to 30 June 2016	1 July 2016 to 30 June 2017	1 July 2017 to 30 June 2018
Perilya Broken Hill Ltd (\$ per year)	2,002,708.33	2,026,197.22 x (1 + ΔCPI ₁)	2,149,012.15 x (1 + ΔCPI ₂)	2,196,131.27 x (1 + ΔCPI ₃)
CBH Resources Ltd (\$ per year)	483,082.38	488,748.24 x (1 + ΔCPI ₁)	518,372.99 x (1 + ΔCPI ₂)	529,738.80 x (1 + ΔCPI ₃)

Table 4 Water usage charges

	Commencement Date to 30 June 2015	1 July 2015 to 30 June 2016	1 July 2016 to 30 June 2017	1 July 2017 to 30 June 2018
Treated Water (\$ per kL)	1.72	1.72 x (1 + Δ CPI ₁)	1.72 x (1 + Δ CPI ₂)	1.72 x (1 + Δ CPI ₃)
Chlorinated Water (\$ per kL)	1.11	1.11 x (1 + Δ CPI ₁)	1.11 x (1 + Δ CPI ₂)	1.11 x (1 + Δ CPI ₃)
Untreated Water for Residential Properties (\$ per kL)	1.51	1.51 x (1 + Δ CPI ₁)	1.51 x (1 + Δ CPI ₂)	1.51 x (1 + Δ CPI ₃)
Untreated Water for Pipeline Properties (\$ per kL)	0.74	0.74 x (1 + Δ CPI ₁)	0.74 x (1 + Δ CPI ₂)	0.74 x (1 + Δ CPI ₃)
Untreated Water for Non Residential Properties (\$ per kL)	1.51	1.51 x (1 + Δ CPI ₁)	1.51 x (1 + Δ CPI ₂)	1.51 x (1 + Δ CPI ₃)

Schedule 2 Sewerage Services

1 Application

This Schedule sets out the maximum prices that Essential Energy may charge for the Monopoly Services under paragraph 2(b) of the Order (sewerage services).

2 Maximum price for sewerage services to Residential Properties

2.1 Maximum charges for sewerage services to a Residential Property connected to the Sewerage System

The maximum price that Essential Energy may levy for supplying sewerage services to a Residential Property connected to the Sewerage System is the sewerage service charge in Table 5 for the applicable period.

3 Maximum price for sewerage services to Metered Non Residential Properties

3.1 Application of this clause

- (a) This clause 3 applies to Metered Non Residential Properties that:
 - (1) are connected to the Sewerage System; and
 - (2) have a single Individual Meter or multiple Individual Meters.
- (b) For the avoidance of doubt, where a Non Residential Property does not have an Individual Meter but is in a Multi Premises with one or more Common Meters, clause 4 of this Schedule 2 (and not this clause 3) is to apply to that Property.

3.2 Maximum price for sewerage services to a Metered Non Residential Property with a single Individual Meter of 20mm or greater, or multiple Individual Meters (of any size) (other than a Mining Customer Property)

The maximum price that Essential Energy may levy for supplying sewerage services to a Non Residential Property that:

- (a) is connected to the Sewerage System;
- (b) is not a Mining Customer Property; and

- (c) has:
- (1) a single Individual Meter of 20 mm or greater; or
 - (2) multiple Individual Meters (of any size),

is the sum of the following:

- (d) the **sewerage service charge** equal to the higher of:
- (1) the sewerage service charge calculated as follows:

$$SC \times DF$$

Where:

SC = the sewerage service charge in Table 6 for each Meter corresponding to the applicable period and Meter size in that table; and

DF = the Discharge Factor for that Property; and

- (2) the sewerage service charge in Table 5 corresponding to the applicable period in that table; and
- (e) the **sewerage usage charge** calculated in accordance with clause 5.1 of this Schedule.

3.3 Maximum price for sewerage services to a Mining Customer Property with Individual Meters (of any size)

The maximum price that Essential Energy may levy for supplying sewerage services to a Non Residential Property that:

- (a) is connected to the Sewerage System;
- (b) is a Mining Customer Property; and
- (c) has a single or multiple Individual Meters (of any size),

is the sum of the following:

- (d) a **sewerage service charge** equal to the higher of:
- (1) the sewerage service charge calculated as follows:

$$SC \times DF$$

Where:

SC = the sewerage service charge in Table 6 for each Meter (assuming that each Meter is a 100mm Meter) corresponding to the applicable period in that table; and

DF = the Discharge Factor for that Property; and

- (2) the sewerage service charge in Table 5 corresponding to the applicable period in that table; and
- (e) the **sewerage usage charge** calculated in accordance with clause 5.1 of this Schedule.

4 Maximum prices for sewerage services to Non Residential Properties in Multi Premises with one or more Common Meters

4.1 Application of this clause

- (a) This clause 4 applies to Non Residential Properties which:
 - (1) do not have an Individual Meter or multiple Individual Meters; and
 - (2) are in a Multi Premises, where that Multi Premises:
 - (A) has one or more Common Meters; and
 - (B) is connected to the Sewerage System.
- (b) For the avoidance of doubt, where a Non Residential Property in a Multi Premises has an Individual Meter, clause 3 of this Schedule 2 (and not this clause 4) is to apply to that Property.

4.2 Maximum price for sewerage services to a Non Residential Multi Premises with one or more Common Meters

- (a) The maximum price that Essential Energy may levy for supplying sewerage services to a Non Residential Multi Premises which:
 - (1) is connected to the Sewerage System; and
 - (2) has one or more Common Meters,is the sum of the following:
 - (3) a **sewerage service charge** equal to the higher of:
 - (A) the sewerage service charge calculated as follows:

$$(SC - IM) \times DF$$

Where:

SC = the sewerage service charge in Table 6 corresponding to the applicable period and Meter size in that table for each Meter;

IM = the sum of any sewerage service charges levied under clauses 3.2 and 3.3 in respect of each Property in that Multi Premises with an Individual Meter which is downstream of

a Common Meter that services the Non Residential Multi Premises; and

DF = the Discharge Factor for that Property; and

(B) the sewerage service charge in Table 5 corresponding to the applicable period in that table; and

(4) the **sewerage usage charge** calculated in accordance with clause 5.2 of this Schedule.

(b) Essential Energy may choose to divide the maximum sewerage service charge, levied under clause 4.2(a) in this Schedule 2, among the Non Residential Properties within the Non Residential Multi Premises (for example, based on unit entitlement or the number of Properties in the Multi Premises), or alternatively, Essential Energy may choose to provide the bill for each charge to the body corporate (if applicable) of that Non Residential Multi Premises.

4.3 Maximum price for sewerage services to Non Residential Properties within a Mixed Multi Premises with one or more Common Meters

The maximum price that Essential Energy may levy for supplying sewerage services to a Non Residential Property within a Mixed Multi Premises, where that Mixed Multi Premises:

(a) is connected to the Sewerage System; and

(b) has a Common Meter or multiple Common Meters,

is the sewerage service charge in Table 5 for the applicable period.

5 Maximum sewerage usage charges

5.1 Maximum sewerage usage charges for Metered Non Residential Property (with one or more Individual Meters) or Exempt Land

The maximum sewerage usage charge that Essential Energy may levy for a Meter Reading Period for supplying sewerage services to a Metered Non Residential Property which has one or more Individual Meters, or to Exempt Land, is calculated as follows:

$$(W \times DF) \times UC$$

Where:

W = the water (Treated Water, Chlorinated Water and Untreated Water, as applicable) used (in kL) by that Non Residential Property or Exempt Land for the Meter Reading Period as measured by the Meter or Meters;

DF = the Discharge Factor for that Non Residential Property or Exempt Land;

UC = the sewerage usage charge in Table 7 for the Meter Reading Period corresponding to the applicable period in that table and the *volume of sewage discharged*; and

volume of sewage discharged = the resulting volume determined by multiplying W and DF in this clause 5.1.

5.2 **Maximum sewerage usage charges for Non Residential Multi Premises with one or more Common Meters**

The maximum sewerage usage charge that Essential Energy may levy for a Meter Reading Period for supplying sewerage services to a Non Residential Multi Premises with one or more Common Meters is calculated as follows:

$$(\{W - IM\} \times DF) \times UC$$

Where:

W = the total volume of water (Treated Water, Chlorinated Water and Untreated Water, as applicable) used (in kL) for the Meter Reading Period as measured by all Common Meters for that Multi Premises;

IM = the total volume of water (Treated Water, Chlorinated Water and Untreated Water, as applicable) used (in kL) for the Meter Reading Period as measured by any Individual Meters servicing Properties in that Multi Premises, where those Individual Meters are downstream of any Common Meters for that Multi Premises;

DF = the Discharge Factor for that Multi Premises;

UC = the sewerage usage charge in Table 7 for the Meter Reading Period corresponding to the applicable period in that table and the *volume of sewage discharged*; and

volume of sewage discharged = the resulting volume determined by multiplying (W-IM) and DF in this clause 5.2.

6 Maximum price for sewerage supply services to Unmetered Properties connected to the Sewerage Supply System (Residential and Non Residential)

The maximum price that Essential Energy may levy for supplying sewerage services to an Unmetered Property that is connected to the Sewerage System is the **sewerage service charge** in Table 5 corresponding to the applicable period in that table.

7 Maximum price for sewerage services to Vacant Land

The maximum price that Essential Energy may levy for supplying sewerage services to Vacant Land is the **sewerage service charge** in Table 5 for the applicable period.

8 Maximum prices for sewerage services to Exempt Land

The maximum price that Essential Energy may levy for supplying sewerage services to Exempt Land is the **sewerage usage charge** calculated in accordance with clause 5.1 of this Schedule.

Tables 5 to 7

Table 5 Sewerage service charge for (i) Residential Properties; (ii) Non Residential Properties within a Mixed Multi Premises with one or more Common Meters; (iii) Unmetered Properties; and (iv) Vacant Land

	Commencement Date to 30 June 2015	1 July 2015 to 30 June 2016	1 July 2016 to 30 June 2017	1 July 2017 to 30 June 2018
Sewerage service charge (\$ per year)	511.19	511.19 x (1 + ΔCPI ₁)	511.19 x (1 + ΔCPI ₂)	511.19 x (1 + ΔCPI ₃)

Table 6 Sewerage service charge for (i) Non Residential Properties with a single Individual Meter of 20mm or greater, or multiple Individual Meters of any size (other than a Mining Customer Property); and (ii) Non Residential Properties in a Multi Premises with one or more Common Meters

Meter size	Commencement Date to 30 June 2015	1 July 2015 to 30 June 2016	1 July 2016 to 30 June 2017	1 July 2017 to 30 June 2018
Sewerage service charge (\$ per year)				
20mm	729.96	729.96 x (1 + ΔCPI ₁)	729.96 x (1 + ΔCPI ₂)	729.96 x (1 + ΔCPI ₃)
25mm	1,140.48	1,140.48 x (1 + ΔCPI ₁)	1,140.48 x (1 + ΔCPI ₂)	1,140.48 x (1 + ΔCPI ₃)
40mm	2,919.86	2,919.86 x (1 + ΔCPI ₁)	2,919.86 x (1 + ΔCPI ₂)	2,919.86 x (1 + ΔCPI ₃)
50mm	4,561.94	4,561.94 x (1 + ΔCPI ₁)	4,561.94 x (1 + ΔCPI ₂)	4,561.94 x (1 + ΔCPI ₃)
80mm	11,679.44	11,679.44 x (1 + ΔCPI ₁)	11,679.44 x (1 + ΔCPI ₂)	11,679.44 x (1 + ΔCPI ₃)
100mm	18,249.12	18,249.12 x (1 + ΔCPI ₁)	18,249.12 x (1 + ΔCPI ₂)	18,249.12 x (1 + ΔCPI ₃)
150mm	41,060.19	41,060.19 x (1 + ΔCPI ₁)	41,060.19 x (1 + ΔCPI ₂)	41,060.19 x (1 + ΔCPI ₃)
For Meter sizes not specified above, the following formula applies to each Meter:		$\frac{(\text{Meter size})^2}{400} \times (\text{20mm sewerage service charge for the applicable period})$		

[Note: The prices in Table 6 assume the application of a Discharge Factor of 100%. The relevant Discharge Factor may vary from case to case, as determined by Essential Energy for the relevant Property or, in the case of a Non Residential Multi Premises which has a Common Meter, for that Multi Premises. A pro rata adjustment shall be made where the DF percentage is less than or greater than 100%.]

Table 7 Sewerage usage charge for (i) Non Residential Properties; and (ii) Exempt Land

	Commencement Date to 30 June 2015	1 July 2015 to 30 June 2016	1 July 2016 to 30 June 2017	1 July 2017 to 30 June 2018
Sewerage usage charge (\$ per kL of volume of sewage discharged)	1.22	1.22 x (1 + ΔCPI_1)	1.22 x (1 + ΔCPI_2)	1.22 x (1 + ΔCPI_3)

[Note: Please refer to clauses 5.1 and 5.2 for the calculation of 'volume of sewage discharged'.]

Schedule 3 Trade waste services

1 Application

This Schedule sets out the maximum prices that Essential Energy may charge for the Monopoly Services under paragraph 2(c) of the Order (trade waste services).

2 Categories for pricing purposes

Maximum prices for trade waste services have been determined for 5 categories:

- (a) Category 1 Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy;
- (b) Category 1a Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy;
- (c) Category 2 Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy;
- (d) Category 3 Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy; and
- (e) Trade Waste discharged by a Mining Customer Property.

3 Maximum prices for Category 1 Trade Waste Discharge

The maximum price that Essential Energy may levy for Category 1 Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy is calculated as follows:

$$TW1 = A1 + C1 + T1$$

Where:

TW1 = maximum price for Category 1 Trade Waste Discharge;

A1 = total applicable Trade Waste discharge application fee (\$) in the relevant period;

C1 = total applicable annual Trade Waste fee (\$) in the relevant period; and

T1 = total applicable Trade Waste re-inspection fee (\$) in the relevant period,

each as set out in Table 8.

4 Maximum prices for Category 1a Trade Waste Discharge

The maximum price that Essential Energy may levy for Category 1a Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy is calculated as follows:

$$TW1a = A1 + C1 + T1 + (NWU1 \times C)$$

Where:

TW1a = maximum price for Category 1a Trade Waste Discharge;

A1 = total applicable Trade Waste discharge application fee (\$) in the relevant period;

C1 = total applicable annual Trade Waste fee (\$) in the relevant period;

T1 = total applicable Trade Waste re-inspection fee (\$) in the relevant period; and

NWU1 = total applicable non-compliant Trade Waste usage charge (\$/kL)¹ in the relevant period,

each as set out in Table 9; and

C = volume (in kL) of liquid Trade Waste discharged to the Sewerage System. The volume of liquid Trade Waste is the water (Treated Water, Chlorinated Water and Untreated Water, as applicable) supplied (in kL) to the relevant Non Residential Property for the Meter Reading Period as measured by the Meter or Meters, multiplied by the trade waste discharge factor. The trade waste discharge factor is the percentage of liquid Trade Waste determined by Essential Energy to be discharged into the Sewerage System.

¹ The non-compliant Trade Waste usage charge applies where Essential Energy determines that the required pre-treatment equipment has not been installed or properly maintained.

5 Maximum prices for Category 2 Trade Waste Discharge

The maximum price that Essential Energy may levy for Category 2 Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy is calculated as follows:

$$TW2 = A2 + C2 + T2 + (TWU2 \times C)$$

Where:

TW2 = maximum price for Category 2 Trade Waste Discharge;

A2 = total applicable Trade Waste discharge application fee (\$) in the relevant period;

C2 = total applicable annual Trade Waste fee (\$) in the relevant period;

T2 = total applicable Trade Waste re-inspection fee (\$) in the relevant period; and

TWU2 = total applicable Trade Waste usage charge (\$/kL) or the non-compliant Trade Waste usage charge (\$/kL)², as the case may be, in the relevant period,

each as set out in Table 10; and

C = volume (in kL) of liquid Trade Waste discharged to the Sewerage System. The volume of liquid Trade Waste is the water (Treated Water, Chlorinated Water and Untreated Water, as applicable) supplied (in kL) to the relevant Non Residential Property for the Meter Reading Period as measured by the Meter or Meters, multiplied by the trade waste discharge factor. The trade waste discharge factor is the percentage of liquid Trade Waste determined by Essential Energy to be discharged into the Sewerage System.

² The non-compliant Trade Waste usage charge applies where Essential Energy determines that the required pre-treatment equipment has not been installed or properly maintained.

6 Maximum prices for Category 3 Trade Waste Discharge

The maximum price that Essential Energy may levy for Category 3 Trade Waste Discharge discharged pursuant to a trade waste agreement with Essential Energy is calculated as follows:

$$TW3 = A3 + C3 + T3 + (FWD \times B) + PH + BOD + EMC + NEMC$$

Where:

TW3 = maximum price for Category 3 Trade Waste Discharge;

A3 = total applicable Trade Waste discharge application fee (\$) in the relevant period;

C3 = total applicable annual Trade Waste fee (\$) in the relevant period;

T3 = total applicable Trade Waste re-inspection fee (\$) in the relevant period;

FWD = total applicable annual food waste disposal (\$/bed) in the relevant period in the hospital, nursing home or other facility in which the food waste unit is installed;

PH = total applicable charge for exceeding approved PH range³ (\$) in the relevant period;

BOD = total applicable charge for exceeding approved BOD range⁴ (\$) in the relevant period,

each as set out in Table 11;

B = number of beds in the hospital, nursing home or other facility in which the food waste disposal unit is installed;

EMC = total applicable total excess mass⁵ (\$) in the relevant period as set out in Table 12; and

³ The charge applies to waste with a pH outside the range specified in Essential Energy's trade waste policy.

⁴ The charge applies to waste with a Biochemical Oxygen Demand (**BOD**) outside the range specified in Essential Energy's trade waste policy. BOD is defined as the amount of oxygen utilised by micro-organisms in the process of decomposition of organic material in wastewater over a period of five days at 20°C.

⁵ This charge applies for discharges of pollutants to the Sewerage System in excess of the pollutant limit set out in the relevant trade waste agreement with Essential Energy.

NEMC = total applicable non-compliant excess mass charge⁶ (\$) in the relevant period as set out in Table 12.

7 Maximum prices for Trade Waste discharged by a Mining Customer Property

- (a) If Essential Energy has a trade waste agreement in respect of the discharge of Trade Waste by a Mining Customer Property, then notwithstanding clauses 3 to 6 in this Schedule 3, the maximum price that may be levied by Essential Energy for:
- (1) Category 1 Trade Waste Discharge;
 - (2) Category 1a Trade Waste Discharge;
 - (3) Category 2 Trade Waste Discharge; or
 - (4) Category 3 Trade Waste Discharge,
- is the annual Trade Waste fee per operating mine set out in Table 13.
- (b) If Essential Energy does not have a trade waste agreement in respect of the discharge of Trade Waste by a Mining Customer Property, the maximum price that may be levied by Essential Energy for:
- (1) Category 1 Trade Waste Discharge;
 - (2) Category 1a Trade Waste Discharge;
 - (3) Category 2 Trade Waste Discharge; or
 - (4) Category 3 Trade Waste Discharge,
- is to be determined in accordance with clauses 3 to 6 of this Schedule 3 (as applicable).

8 Maximum prices in Tables 8 to 13

The maximum prices in Tables 8 to 13 are to be increased for the following periods:

- (a) **from 1 July 2015 to 30 June 2016** - the corresponding charge in each of the Tables 8 to 13, multiplied by $(1 + \Delta\text{CPI}_1)$;
- (b) **from 1 July 2016 to 30 June 2017** - the corresponding charge in each of the Tables 8 to 13, multiplied by $(1 + \Delta\text{CPI}_2)$; and
- (c) **from 1 July 2017 to 30 June 2018** - the corresponding charge in each of the Tables 8 to 13, multiplied by $(1 + \Delta\text{CPI}_3)$.

⁶ The charges apply where a discharge quality fails to comply with the approved concentration limits of substances specified in Essential Energy's trade waste policy.

Tables 8 to 13

Table 8 Trade Waste Charges Category 1 (\$2014/15)

Charge	Commencement Date to 30 June 2015 ^b
Trade Waste discharge application fee ^a (\$ per application)	225.65
Annual Trade Waste fee (\$ per year)	104.67
Trade Waste re-inspection fee (\$ per inspection)	97.87

^a Not applicable to those discharges exempted from obtaining an approval for liquid Trade Waste discharge as per the Essential Energy Policy for Discharge of Liquid Trade Waste.

^b The charges in this Table are to be increased in accordance with clause 8 of Schedule 3.

Table 9 Trade Waste Charges Category 1a (\$2014/15)

Charge	Commencement Date to 30 June 2015 ^c
Trade Waste discharge application fee ^a (\$ per application)	225.65
Annual Trade Waste fee (\$ per year)	104.67
Trade Waste re-inspection fee (\$ per inspection)	97.87
Non-compliant Trade Waste usage charge ^b (\$ per kL)	1.96

^a Not applicable to those discharges exempted from obtaining an approval for liquid Trade Waste discharge as per the Essential Energy Policy for Discharge of Liquid Trade Waste.

^b Applicable where Essential Energy determines that the required pre-treatment equipment has not been installed or properly maintained.

^c The charges in this Table are to be increased in accordance with clause 8 of Schedule 3.

Table 10 Trade Waste Charges Category 2 (\$2014/15)

Charge	Commencement Date to 30 June 2015 ^c
Trade Waste discharge application fee ^a (\$ per application)	225.65
Annual Trade Waste fee (\$ per year)	701.42
Trade Waste re-inspection fee (\$ per inspection)	97.87
Trade Waste usage charge (\$ per kL)	1.96
Non-compliant Trade Waste usage charge ^b (\$ per kL)	17.95

^a Not applicable to those discharges exempted from obtaining an approval for liquid Trade Waste discharge as per the Essential Energy Policy for the Discharge of Liquid Trade Waste.

^b Applicable where Essential Energy determines that the required pre-treatment equipment has not been installed or properly.

^c The charges in this Table are to be increased in accordance with clause 8 of Schedule 3.

Table 11 Trade Waste Charges Category 3 (\$2014/15)

Charge	Commencement Date to 30 June 2015^b
Trade Waste discharge application fee ^a (\$ per application)	225.65
Annual Trade Waste fee (\$ per year)	By quote
Trade Waste re-inspection fee (\$ per inspection)	97.87
Annual food waste disposal (\$ per bed)	28.54
Charge for exceeding approved pH range	Essential Energy policy for Discharge of Liquid Trade Waste
Charge for exceeding approved BOD range	Essential Energy policy for Discharge of Liquid Trade Waste

^a Not applicable to those discharges exempted from obtaining an approval for liquid Trade Waste discharge as per the Essential Energy policy for the Discharge of Liquid Trade Waste.

^b The charges in this Table are to be increased in accordance with clause 8 of Schedule 3.

Table 12 Excess Mass Charge (\$2014/15)

Charge	Commencement Date to 30 June 2015 (\$/kg)^a
Acid demand, pH>10	0.88
Alkali demand, pH<7	0.88
Aluminium (Al)	0.88
Ammonia (as Nitrogen)	2.68
Arsenic (As)	88.36
Barium (Ba)	43.50
Biochemical Oxygen Demand (BOD)	0.88
Boron (B)	0.88
Bromine (Br ₂)	17.59
Cadmium (Cd)	407.80
Chloride	Nil
Chlorinated Hydrocarbons	43.50
Chlorinated Phenolic	1,761.70
Chlorine (Cl ₂)	1.84
Chromium (Cr)	29.55
Cobalt (Co)	18.30
Copper (Cu)	18.30
Cyanide	88.36
Fluoride (F)	4.35
Formaldehyde	1.84
Grease and Oil (total)	1.57
Herbicides/defoliants	880.84
Iron (Fe)	1.84

Charge	Commencement Date to 30 June 2015 (\$/kg)^a
Lead (Pb)	43.50
Lithium (Li)	8.84
Manganese (Mn)	8.84
Mercaptans	88.36
Mercury (Hg)	2,936.17
Methylene blue active substances (MBAS)	0.88
Molybdenum (Mo)	0.88
Nickel (Ni)	29.55
Nitrogen (N) (Total Kjeldahl Nitrogen)	0.23
Organoarsenic compounds	880.84
Pesticides general (excludes organochlorines and organophosphates)	880.84
Petroleum Hydrocarbons (non-flammable)	2.95
Phenolic compounds (non-chlorinated)	8.84
Phosphorous (Total)	1.84
Polynuclear aromatic hydrocarbons (PAH)	18.30
Selenium (Se)	61.89
Silver (Ag)	1.42
Sulphate (SO ₄)	0.17
Sulphide (S)	1.84
Sulphite (SO ₃)	1.97
Suspended Solids	1.12
Thiosulphate	0.31
Tin	8.84
Total Dissolved Solids	0.06
Uranium	8.84
Zinc (Zn)	18.01
Non-compliant excess mass charge	As per the Essential Energy Policy for the Discharge of Liquid Trade Waste

^a The charges in this Table are to be increased in accordance with clause 8 of Schedule 3.

Table 13 Trade Waste Charges for Mining Customer Property (\$2014/15)

Charge	Commencement Date to 30 June 2015^a
Annual Trade Waste fee per operating mine (\$ per year)	1,534.88

^a The charges in this Table are to be increased in accordance with clause 8 of Schedule 3.

Schedule 4 Ancillary and miscellaneous customer services

1 Application

This Schedule sets out the maximum prices that Essential Energy may charge for Monopoly Services under paragraph 2(d) of the Order (ancillary and miscellaneous customer services for which no alternative supply exists and which relate to the provision of water supply services, sewerage services or trade waste services).

2 Ancillary and miscellaneous customer charges

The maximum charge that Essential Energy may levy for supplying an ancillary and miscellaneous customer service is:

- (a) **from the Commencement Date to 30 June 2015** - the corresponding charge in Table 14;
- (b) **from 1 July 2015 to 30 June 2016** - the corresponding charge in Table 14 multiplied by $(1 + \Delta\text{CPI}_1)$;
- (c) **from 1 July 2016 to 30 June 2017** - the corresponding charge in Table 14 multiplied by $(1 + \Delta\text{CPI}_2)$; and
- (d) **from 1 July 2017 to 30 June 2018** - the corresponding charge in Table 14 multiplied by $(1 + \Delta\text{CPI}_3)$.

3 Rounding rule

Where a charge for an ancillary and miscellaneous customer service calculated in accordance with clause 2 above is:

- (a) \$100 or more, the charge is to be rounded to the nearest whole dollar; and
- (b) less than \$100, the charge is to be rounded to the nearest 5 cents.

Table 14

**Table 14 Charges for ancillary and miscellaneous customer services
(\$2014/15)**

No	Ancillary and miscellaneous customer services	Charge (\$)
1	Conveyancing Certificate Statement of outstanding charges	
	a) Full certificate with meter read	70.46
	b) Updated meter read request (special meter read)	52.82
	c) Full certificate with history search	123.78
	d) Urgent full certificate with meter read (within 48 hours)	122.06
2	Meter Test Refunded if meter is $\pm 3\%$	73.23
3	Drainage Diagram	20.64
4	Plumbing Inspection	34.17
5	Plumbers application	36.51
6	Site inspection for water and sewerage	117.61
7	Statement of available water pressure	169.66
8	Building plan approval – extension	32.96
9	Building plan approval – new connection	49.82
10	Fire Service application	87.10
11	Relocation/increase in size of water service (tapping fee)	84.33
12	Backflow prevention device testing and certification (per hour plus materials)	70.63
13	Install Water Service	
	a) 20mm Service up to 3 metres	723.47
	b) 20mm Service over 3 metres and less than 30 metres	1,866.38
	c) All others	By quote
14	Alter or relocate existing water service	
	a) Alter existing service	By quote
	b) Relocate existing service	Charge for Install Water Service (charge no. 13) plus charge for Water Service Disconnect (charge no. 19)
15	Downgrade Meter Size	
	a) 25mm to 20mm	92.98
	b) All others	By quote
16	Repair damaged water service	
	a) First repair within 5 year period	Nil
	b) Second and subsequent repairs (per hour plus materials)	92.98
17	Rectification of Illegal Service	Greater of 226.59 or actual cost
18	Replace Damaged Water Meter	

Table 14

No	Ancillary and miscellaneous customer services	Charge (\$)
	(a) First replacement in a 5 year period	Nil
	(b) 20mm	109.07
	(c) 25mm	214.77
	(d) 32mm	312.36
	(e) 40mm	752.21
	(f) 50mm	938.29
	(g) 80mm	1,030.17
	(h) 100mm or greater	By quote
19	Water Service Disconnection	
	a) First disconnect within 1 year period	Nil
	b) Capping	90.72
	c) 20mm to 25mm	151.57
	d) 32mm or greater	By quote
	e) Bitumen Repairs (\$ per metre) (minimum 1 metre)	17.65
20	Water Service Reconnection	
	a) First reconnect within 1 year period	Nil
	b) Un-capping	97.65
	c) 20mm to 25mm	163.12
	d) 32mm or greater	By quote
	e) Bitumen Repairs (\$ per metre) (minimum 1 metre)	17.65
21	Asset Location	
	a) Major or Critical Infrastructure (per hour)	92.98
	b) Minor or non-critical Initial Location	Nil
	c) Reinspect asset location (per hour)	92.98
22	Relocate existing stop valve or hydrant	By quote
23	Replace water main before customer installations	By quote
24	Standpipe Hire	
	a) Monthly (Minimum Charge)	30.05
	b) Annually	360.63
	c) Water usage charges (\$ per kL)	
	i. Treated	1.72
	iii. Untreated	1.51
25	Personal Service of Final Warning Notice	20.58
26	Water Reconnections – after restrictions	
	a) during business hours	88.75
	b) outside business hours	122.66

Schedule 5 Definitions and Interpretation

1 Definitions

1.1 General definitions

In this determination:

Category 1 Trade Waste Discharge means Trade Waste discharge which:

- (a) arises from an activity conducted on a Non Residential Property; and
- (b) is deemed by Essential Energy to be of a low risk nature and to require nil or minimal pre-treatment prior to its discharge into the Sewerage System.

Category 1a Trade Waste Discharge means Trade Waste discharge which:

- (a) arises from an activity conducted on a Non Residential Property; and
- (b) is deemed by Essential Energy to be of a low risk nature but to require a more sophisticated prescribed pre-treatment than Category 1 Trade Waste Discharge prior to its discharge into the Sewerage System.

Category 2 Trade Waste Discharge means Trade Waste discharge which:

- (a) arises from an activity conducted on a Non Residential Property; and
- (b) is deemed by Essential Energy to be of a medium risk nature but to require a prescribed type of liquid trade waste pre-treatment prior to being discharged into the Sewerage System.

Category 3 Trade Waste Discharge means Trade Waste discharge which:

- (a) arises from an activity conducted on a Non Residential Property; and
- (b) is deemed by Essential Energy to be of either a high volume (over 20 kL per day) or of an industrial nature and to require a prescribed type of liquid trade waste pre-treatment prior to being discharged into the Sewerage System.

CBH Resources Ltd means CBH Resources Limited ACN 009 423 858 and includes any related bodies corporate within the definition of section 50 of the *Corporations Act 2001* (Cth) that is a Mining Customer.

Chlorinated Water means water that has been treated with a chlorine disinfection process, but not filtered to remove solids and organic particles.

Commencement Date is defined in clause 2(b) of the *Preliminary* section of this determination.

Common Meter means a Meter which services a Multi Premises, where the Meter measures the water usage at that Multi Premises but not at each relevant Property located on or within that Multi Premises.

Community Development Lot has the meaning given to that term under the *Community Land Development Act 1989* (NSW).

Company Title Building means a building owned by a company where the issued shares of the company entitle the legal owner to exclusive occupation of a specified Company Title Dwelling within that building.

Company Title Dwelling means a dwelling within a Company Title Building.

Corporation has the meaning given to that term under section 57A of the *Corporations Act 2001* (Cth).

Determination No. 1 of 2010 means IPART's Determination No. 1, 2010 entitled "*Review of prices for Country Energy's water and sewerage services*".

DF or Discharge Factor means:

- (a) in relation to a Property (including a Property within a Multi Premises) with one or more Individual Meters, the percentage of water supplied to that Property which Essential Energy assesses or deems to be discharged into the Sewerage System; and
- (b) in relation to a Property within a Multi Premises with one or more Common Meters, the percentage of water supplied to that Multi Premises which Essential Energy assesses or deems to be discharged into the Sewerage System.

Domestic Equivalent means a concentration or level the same as would be found in household sewerage.

Essential Energy means a corporation (formerly Country Energy) established under the *Energy Services Corporations Act 1995* (NSW).

Exempt Land means land described in Schedule 4 of the Water Management Act.

GST means the Goods and Services Tax as defined in *A New Tax System (Goods and Services Tax) Act 1999* (Cth).

Individual Meter means a Meter which services a Property, where the Meter measures the water usage at that Property.

IPART means the Independent Pricing and Regulatory Tribunal of New South Wales established under the IPART Act.

IPART Act means the *Independent Pricing and Regulatory Tribunal Act 1992* (NSW).

kL means kilolitre or one thousand litres.

Local Government Act means the *Local Government Act 1993* (NSW).

Menindee Pipeline means the water pipeline which runs from Menindee to Broken Hill.

Meter means an apparatus for the measurement of water.

Metered Non Residential Property means a Non Residential Property that is serviced by a single Individual Meter or multiple Individual Meters.

Meter Reading Period means a period equal to the number of days between:

- (a) the date (**Last Reading Date**) on which Essential Energy last read the Meter or is taken to have read the Meter, including by estimating consumption for the Property or Multi Premises (as the case may be); and
- (b) the date (**Earlier Reading Date**) immediately preceding the Last Reading Date on which Essential Energy read the Meter or is taken to have read the Meter, including by estimating consumption for the Property or Multi Premises (as the case may be),

which period includes the Last Reading Date but does not include the Earlier Reading Date.

Metered Residential Property means a Residential Property that is serviced by a single Individual Meter or multiple Individual Meters.

Mining Customer means any Corporation which undertakes the mining or exploration activities on a Mining Customer Property, including CBH Resources Ltd and Perilya Broken Hill Ltd.

Mining Customer Property means a Property that is not a Residential Property in the Broken Hill area and on which the primary activity that is undertaken is mining or exploration activities.

Mixed Multi Premises means a Multi Premises which contains both Residential Properties and Non Residential Properties.

Monopoly Services means the Monopoly Services as defined in clause 1(b) of the *Preliminary* section of this determination.

Multi Premises means land where there are two or more Properties located on it.

Multi Premises Property includes:

- (a) a Strata Title Lot; and
- (b) a part of a building lawfully occupied or available for occupation (other than a Strata Title Building to which paragraph (a) applies).

New Mining Customer means any Corporation:

- (a) which undertakes mining or exploration activities on a Mining Customer Property after the Commencement Date; or
- (b) that acquires, takes control or management of a Corporation which undertakes mining and exploration activities on a Mining Customer Property after the Commencement Date.

Non Residential Multi Premises means a Multi Premises containing only Non Residential Properties.

Non Residential Property means a Property that is not:

- (a) a Residential Property; or
- (b) land that has no capital improvements and no connection to the Water Supply System.

Order means the Order defined in clause 1(b) of the *Preliminary* section of this determination and published in the New South Wales Government Gazette No. 147 on 14 November 2008.

Perilya Broken Hill Ltd means Perilya Broken Hill Limited ACN 099 761 289 and includes any related bodies corporate within the definition of section 50 of the *Corporations Act 2001* (Cth) that is a Mining Customer.

Pipeline Property means a property which may access Untreated Water via a direct connection to the Menindee Pipeline or the Umberumberka Pipeline.

Property includes:

- (a) a Strata Title Lot;
- (b) a Company Title Dwelling;
- (c) a Community Development Lot;
- (d) a building or part of a building lawfully occupied or available for lawful occupation as a separate place of domicile or a separate place of business, other than a building to which paragraphs (a) to (c) apply; and
- (e) land.

Rateable Land has the meaning given to that term under the Local Government Act.

Residential Multi Premises means a Multi Premises containing only Residential Properties.

Residential Property means a Property where:

- (a) in the case of that Property being Rateable Land, that Property is categorised as:
 - (1) residential under section 516 of the Local Government Act; or
 - (2) farmland under section 515 of the Local Government Act; or
- (b) in the case of that Property not being Rateable Land, the dominant use of that Property is residential applying the classifications in section 516 of the Local Government Act.

Sewerage System means the sewerage system of Essential Energy.

Strata Title Building means a building that is subject to a strata scheme under the *Strata Schemes (Freehold Development) Act 1973* (NSW).

Strata Title Lot means a lot as defined under the *Strata Schemes (Freehold Development) Act 1973* (NSW).

Trade Waste means wastewater from commercial and industrial customers with concentrations of pollutants that exceed a Domestic Equivalent.

Treated Water means water that has been treated with a disinfection process and filtered to a standard that is primarily intended for human consumption.

Umberumberka Pipeline means the water pipeline which runs from Umberumberka to Broken Hill.

Unmetered Property means a Property that is not serviced by an Individual Meter or a Common Meter.

Untreated Water means water in its natural state, prior to any treatment process.

Vacant Land means land that:

- (a) has no capital improvements;
- (b) has no connection to the Water Supply System; and
- (c) is reasonably available for connection to the Water Supply System.

Water Management Act means the *Water Management Act 2000* (NSW).

Water Supply System means the water supply system of Essential Energy.

1.2 Consumer Price Index

- (a) CPI means the consumer price index All Groups index number for the weighted average of eight capital cities, published by the Australian Bureau of Statistics, or if the Australian Bureau of Statistics does not or ceases to publish the index, then CPI will mean an index determined by IPART.
- (b) $\Delta CPI_1 = \left(\frac{CPI_{March2015}}{CPI_{March2014}} \right) - 1$
 $\Delta CPI_2 = \left(\frac{CPI_{March2016}}{CPI_{March2014}} \right) - 1$
 $\Delta CPI_3 = \left(\frac{CPI_{March2017}}{CPI_{March2014}} \right) - 1$
- (c) The subtext (for example March₂₀₁₄) when used in relation to the CPI in paragraph 1.2(b) above refers to the CPI for the quarter and year indicated (in the example, the March quarter for 2014).

2 Interpretation

2.1 General provisions

In this determination, unless the contrary intention appears:

- (a) headings are for convenience only and do not affect the interpretation of this determination;
- (b) a reference to a schedule, annexure, clause or table is a reference to a schedule, annexure, clause or table to this determination unless otherwise indicated;
- (c) a construction that would promote the purpose or object expressly or impliedly underlying the IPART Act is to be preferred to a construction that would not promote that purpose or object;
- (d) words importing the singular include the plural and vice versa;
- (e) a reference to a law or statute includes regulations, rules, codes and other instruments under it and consolidations, amendments, re-enactments or replacements of them;
- (f) where a word is defined, other grammatical forms of that word have a corresponding meaning;
- (g) a reference to a day is to a calendar day;
- (h) a reference to a person includes a reference to the person's executors, administrators, successors, substitutes (including, but not limited to, persons taking by novation), replacements and assigns;
- (i) a reference to an officer includes a reference to the officer which replaces it or which substantially succeeds to its powers or functions;

- (j) a reference to a body, whether statutory or not:
 - (1) which ceases to exist; or
 - (2) whose powers or functions are transferred to another body,
 is a reference to the body which replaces it or which substantially succeeds to its powers or functions.

2.2 Explanatory notes, simplified outline, examples and clarification notice

- (a) Explanatory notes, simplified outlines and examples do not form part of this determination, but in the case of uncertainty may be relied on for interpretation purposes.
- (b) IPART may publish a clarification notice in the NSW Government Gazette to correct any manifest error in this determination. Such a clarification notice is taken to form part of this determination.

2.3 Prices exclusive of GST

Prices or charges specified in this determination do not include GST (unless indicated otherwise).

2.4 Billing cycle of Essential Energy

- (a) For the avoidance of doubt, nothing in this determination affects when Essential Energy may issue a bill to a customer for prices or charges under this determination.
- (b) Essential Energy must levy any charge applying in this determination on a pro-rata basis, where:
 - (1) a Meter Reading Period traverses more than one period; or
 - (2) a billing period covers part of a period.

[Note: this clause 2.4(b) requires Essential Energy to levy charges (including service charges) on a pro-rata basis, meaning that any annual charges will be pro-rated based on the number of days falling within the relevant billing period. Billing frequency is dealt with in the customer contract available on Essential Energy's website.]
- (c) For the avoidance of doubt, if a Meter Reading Period or billing period commences before the Commencement Date and ends after the Commencement Date, the maximum price for the Monopoly Services applying to that Meter Reading Period or billing period is the charge calculated as follows:
 - (1) **for the number of days falling before the Commencement Date** – by applying the maximum price for the relevant Monopoly Service under Determination No. 1 of 2010, prior to that determination being replaced by this determination; and
 - (2) **for the number of days falling on or after the Commencement Date** – by applying the maximum price for the relevant Monopoly Service under this determination.

2.5 Apparatus for checking quantity of water used

For the purposes of this determination, where an apparatus is used by Essential Energy to check on the quantity of water use recorded by a Meter, that apparatus will not fall within the definition of a 'Meter'.